

LUBRICANT COMPOSITIONS AND METHODS

ABSTRACT OF THE DISCLOSURE

A lubricant composition is disclosed comprising a superabsorbent polymer combined with a material for decreasing friction between moving surfaces. The superabsorbent polymer absorbs from about 25 to greater than 100 times its weight in water and may comprise a polymer of acrylic acid, an acrylic ester, acrylonitrile or acrylamide, including co-polymers thereof or starch graft co-polymers thereof or mixtures thereof. In the composition, the material for decreasing friction comprises a petroleum lubricant containing an additive, water containing an additive, synthetic lubricant, grease, solid lubricant or metal working lubricant, wherein the synthetic lubricant, grease, solid lubricant or metal working lubricant optionally contain an additive. A method of lubricating a surface is also disclosed comprising coating said surface with the lubricating composition comprising the superabsorbent polymer combined with a material for decreasing friction between moving surfaces, wherein the material for decreasing friction comprises a petroleum lubricant, water, synthetic lubricant, grease, solid lubricant or metal working lubricant, and optionally an additive.

LAW OFFICES

FINNEGAN, HENDERSON,
FARABOW, GARRETT
& DUNNER, L.L.P.
1300 I STREET, N. W.
WASHINGTON, DC 20005
202-408-4000